CREEK P43 SPECIFICATION

TOTAL HARMONIC DISTORTION	**< 0.005% 20 Hz to 20 kHz @ 1V**
FREQUENCY RESPONSE	**10 Hz to 30 kHz -1 dB**
LINE INPUTS	**4**
TAPE LOOPS	**2**
OUTPUTS	**3**
TAPE OUTPUTS	**x 2**
HEADPHONE OUTPUT (When module fitted)	**30 mW into 30 Ω**
GAIN FROM OUTPUT 2 & 3	**x 1 (0dB)**
GAIN FROM OUTPUT 1	**x 2 (6dB)**
MAXIMUM OUTPUT VOLTAGE PER MODULE	**4 V at 10 kΩ**
SIGNAL TO NOISE RATIO	**100 dB for 1 V output**
SEPARATION	**> 60 dB at 1 kHz**
POWER CONSUMPTION	**6 W DC (max)**
POWER REQUIREMENTS	**24 V**
SIZE	**420 x 60 x 230 mm**
	16.5" x 2·4" x 9"
WEIGHT	**3 kg, 6.6 lb**

Creek Audio Ltd reserve the right to change or modify the specification of its products without prior warning.

Designed and made in the UK.

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Creek P43 & P43R

Operating Instructions

Thank you for purchasing the P43 Pre-Amp. You are now in possession of a State of the Art product. The functions and operation of the P43 are extremely simple. However, the following notes are provided to explain all aspects of its design and use.

OVERVIEW

The function of the P43 pre-amplifier is to allow the user to control signals from various sources *(Disc, CD, Tuner, AV and Tape)* and vary the amplitude (volume) of the selected signal to a Power Amplifier, which is designed to supply higher level signals to loudspeakers. Therefore, a pre-amplifier should be as flexible as possible and, in this case, the Creek P43 has a wide range of standard functions and is designed to be configured to meet many different requirements.

Future up-grades are possible as it uses a system of modular construction. Please read the following instructions carefully.

GETTING STARTED

Unpack the amplifier and keep the packing material safe for any possible future use. Connect one of your source components (a **CD** player for example) into the sockets on the rear panel marked **CD Input**, using high quality phono to phono interconnects. The P43 pre-amplifier should be connected to a power amplifier, like

the A43 or A52, via a pair of high quality phono to phono interconnects plugged into **Output 1**.

Select **CD** with the **Listen** selector on the front panel. The **Balance** control should be set in the middle position and the **Volume** control adjusted to about 9 o'clock, to start with. Volume and balance can be adjusted to suit using the knobs on the front panel or, in the case of P43R, **Volume** and **Mute** can be adjusted also using the remote handset. Connect the power supply, described below and then press the Power switch on the front panel. There will be a 3 - 5 second delay before the signal is allowed through to the power-amplifier, to prevent unwanted noises being amplified. With a signal present on the input, adjust the Volume control and, while listening to some relaxing music, please read the rest of this instruction manual.

POWER REQUIREMENTS

The P43, in its basic form, is a passive pre-amp, so it doesn't need power to run its circuitry. The P43 can be made to run with active plug-in modules, which require power from either the Creek OBH-1 or OBH-2 stand alone power supplies. The P43R requires only the simple OBH-1 power supply but if active modules are used it is recommended to use the regulated OBH-2 power supply for improved sound quality. Check with your dealer for details. The P43R will work manually without the power supply connected, but both P43 and P43R need to have the power switch **(6)** pushed in to un-mute the audio signal.

INPUT CONNECTION

All the input sockets on the P43 are factory set for line level signals only and they all have the same relative sensitivity. However, **Aux.1** input can be configured as a Phono input by plugging in a suitable Creek ***MM*** or ***MC Phono Module***. To fit a Phono Module it is first necessary to remove the metal cove and then remove the Link PCB on the mother board which is fitted to the connector in front of the Aux input socket. Your dealer will be able to advise you about this.

As all the inputs have the same sensitivity it is possible to connect a source component to any of the inputs without worrying about the description of the input. Tape input 1 & 2 allows for two tape players to be connected and tape to tape copying in both directions is possible.

OUTPUTS

The P43 pre-amp is equipped with three pairs of output sockets, instead of the usual one. This is to allow for more than one power amplifier to be connected to the pre-amplifier at a time (Bi-amping or Tri-amping) and for multi-room applications, or for different gain settings or to provide balanced output on 2 and 3 and un-balanced on 1.

The standard P43 is configured as passive and therefore has no active circuits plugged in. To increase the gain of one or all of these outputs it is necessary to purchase extra active ***Line Output Modules*** as required. Your dealer can advise. To prevent unwanted noises, the active Output module has a muting circuit that shorts the signal to ground when the pre-amp is switched on and off.

Caution: In passive mode, no muting takes place on switch-on, so keep the volume control to a minimum on switch - on.

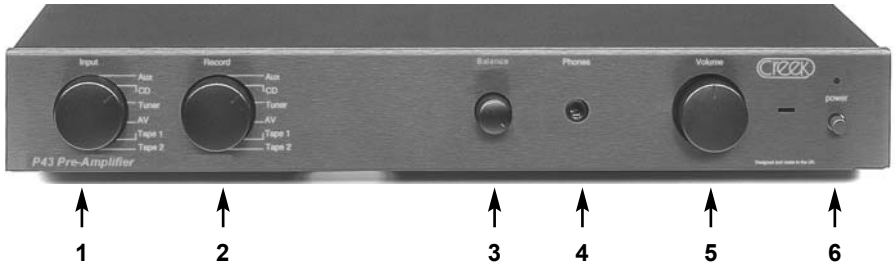
If balanced output is required from the P43, a ***Bridging Module*** is available that can be fitted into the the P43's 'Feature connector', located on the volume control PCB. This will allow two A43 power amplifiers to be connected in *bridge mono mode*, providing much higher output power. Alternatively, it will provide balanced feed to one stereo A52/A52SE or 2 x A52/A52SE configured in mono, with balanced feed. Balanced feed allows for longer signal runs without losses and can improve the sound quality.

N.B. Instructions for fitting extra modules are supplied with the individual modules.

Tape output is provided on sockets **Tape Output 1 and 2** and has a 1 KΩ impedance, which is low enough to drive most machines.

FRONT PANEL CONTROLS

To select a source component you wish to **listen** to, rotate selector **(1)** to the desired input. To **record** from a source component, rotate selector **(2)** to the desired input. This two control facilities allow you to listen to a different input from the one you may want to record. If you want to record from one tape recorder to another it is necessary to select the source recorder on (2) and monitor the recording on (1).



Balance (3) and **Volume (5)** controls alter the amount of signal allowed through the pre-amplifier prior to being amplified by the **Output module**. Normally, the Balance (3) should be set with the marker in the vertical position for equal sound level from each channel. If greater or lower sound level is required from one channel, turn the control either way until the desired balance is achieved. The Volume control functions as an attenuator for the signal, reducing the level from the maximum possible. It does not boost the available signal level. However, in active mode there will be a higher level signal available on the output than provided on the input.

The **Phones** socket **(4)** is inoperative until configured by the dealer with an active Line / Headphone module. The plug-in module is required to provide the amplification for headphones as well as increasing the possible output signal level. The Phones output has an impedance of 30 Ω and the amplification factor is determined by the impedance of the phones used. Control the level required using the volume control. When the Phones socket is used, the active Output will be muted. The headphone output will provide high quality drive to low impedance phones but is not designed to reach extremely high sound pressure levels.